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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/803,712	03/18/2004	Yee-Chia Yeo	TSM03-0760	7832
43859 SLATER & MA	7590 01/26/201 ATSIL, L.L.P.	0	EXAMINER	
	ON ROAD, SUITE 100	0	RAYMOND, BRITTANY L	
DALLAS, IA	13232		ART UNIT	PAPER NUMBER
			1795	
			MAIL DATE	DELIVERY MODE
			01/26/2010	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/803,712	YEO ET AL.			
Notice of Allowability	Examiner	Art Unit			
	BRITTANY RAYMOND	1795			
The MAILING DATE of this communication appear All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIP of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in the or other appropriate communi <b>GHTS.</b> This application is substand MPEP 1308.	is application. If not included cation will be mailed in due cour	se. <b>THIS</b>		
2. X The allowed claim(s) is/are 38,40-49,52-55,58-60,62-68,70	) <u>,71 and 73-75</u> .				
3. ☐ Acknowledgment is made of a claim for foreign priority under a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have	been received. been received in Application	No	from the		
International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONN THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give	IENT of this application. itted. Note the attached EXAM	INER'S AMENDMENT or NOTIO			
5. CORRECTED DRAWINGS ( as "replacement sheets") mus	st be submitted.				
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached					
1) hereto or 2) to Paper No./Mail Date	,	,			
(b) including changes required by the attached Examiner's Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the	.84(c)) should be written on the	drawings in the front (not the bacl	k) of		
DEPOSIT OF and/or INFORMATION about the depo- attached Examiner's comment regarding REQUIREMENT	sit of BIOLOGICAL MATER	IAL must be submitted. Note	the		
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6.  ☐ Interview Sum Paper No./Ma 7.	mal Patent Application mary (PTO-413), ail Date nendment/Comment atement of Reasons for Allowan	ce		

Art Unit: 1795

## **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mark Courtney on 11/24/2009.

The application has been amended as follows:

Claim 40, line 2: change "between 2 and about 7" to read – between 2 and less than 7 --

Claim 41, line 2: change "between 4 and about 7" to read – between 4 and less than 7 --

Claim 42, line 2: change "between 5 and about 7" to read – between 5 and less than 7 –

Claim 43, line 2: change "between 6 and about 7" to read – between 6 and less than 7 –

Claim 44, line 2: change "a concentration in the range of  $10^{-7}$  to  $10^{-2}$  mole/L" to read – a concentration in the range of greater than  $10^{-7}$  to  $10^{-2}$  mole/L --

Claim 45, line 2: change "a concentration in the range of  $10^{-7}$  to  $10^{-4}$  mole/L" to read – a concentration in the range of greater than  $10^{-7}$  to  $10^{-4}$  mole/L --

Claim 46, line 2: change "a concentration in the range of  $10^{-7}$  to  $10^{-5}$  mole/L" to read – a concentration in the range of greater than  $10^{-7}$  to  $10^{-5}$  mole/L --

Claim 47, line 2: change "a concentration in the range of  $10^{-7}$  to  $10^{-6}$  mole/L" to read – a concentration in the range of greater than  $10^{-7}$  to  $10^{-6}$  mole/L –

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Claim 64, line 2: change "in the range of 2 to about 7" to read – in the range of 2 to less than 7 --

Claim 65, line 2: change "in the range of 5 to about 7" to read – in the range of 5 to less than 7 –

Claim 66, line 2: change "in the range of 6 to about 7" to read – in the range of 6 to less than 7 –

Cancel withdrawn claims 1-37, directed to a system.

2. The following is an examiner's statement of reasons for allowance: The prior art references do not disclose or reasonably suggest performing an immersion lithography process on a substrate where the photoresist is soluble in the immersion fluid and the immersion fluid comprises water and a fluorine containing compound, which has a pH of less than 7. The prior art reference, Fukuda, only teaches the use of an immersion fluid comprising water. The prior art reference, Kunz, teaches the addition of a fluoride containing compound into the immersion fluid, but the immersion fluid is not water. Kunz also teaches away from the photoresist being soluble in the immersion fluid.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BRITTANY RAYMOND whose telephone number is (571)272-6545. The examiner can normally be reached on Monday through Friday, 9:00 a.m. - 5:30 p.m. EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cynthia Kelly can be reached on 571-272-1526. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kathleen Duda/ Primary Examiner, Art Unit 1795